

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

**\* NOTICES \***

**Japan Patent Office is not responsible for any damages caused by the use of this translation.**

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. \*\*\*\* shows the word which can not be translated.
3. In the drawings, any words are not translated.

---

**Bibliography**

---

- (19) [Country of Issue] Japan Patent Office (JP)  
(12) [Official Gazette Type] Open patent official report (A)  
(11) [Publication No.] JP,2001-149631,A (P2001-149631A)  
(43) [Date of Publication] June 5, Heisei 13 (2001. 6.5)  
(54) [Title of the Invention] The bill acceptance transport device between bases  
(51) [The 7th edition of International Patent Classification]  
A63F 7/02 352  
G07D 9/00 403  
[FI]  
A63F 7/02 352 F  
G07D 9/00 403 F  
[Request for Examination] Un-asking.  
[The number of claims] 2  
[Mode of Application] OL  
[Number of Pages] 5  
(21) [Filing Number] Japanese Patent Application No. 11-338070  
(22) [Filing Date] November 29, Heisei 11 (1999. 11.29)  
(71) [Applicant]  
[Identification Number] 000001889  
[Name] SANYO Electric Co., Ltd.  
[Address] 2-5-5, Keihan Hon-dori, Moriguchi-shi, Osaka  
(72) [Inventor(s)]  
[Name] Tatetsuki Saburo  
[Address] 2-5-5, Keihan Hon-dori, Moriguchi-shi, Osaka Inside of SANYO Electric Co., Ltd.  
(72) [Inventor(s)]  
[Name] Kitazawa Means Norio  
[Address] 2-5-5, Keihan Hon-dori, Moriguchi-shi, Osaka Inside of SANYO Electric Co., Ltd.  
(72) [Inventor(s)]  
[Name] Yoshikawa Kazuhisa

[Address] 2-5-5, Keihan Hon-dori, Moriguchi-shi, Osaka Inside of SANYO Electric Co., Ltd.

(72) [Inventor(s)]

[Name] 10,000 years Hiroaki

[Address] 2-5-5, Keihan Hon-dori, Moriguchi-shi, Osaka Inside of SANYO Electric Co., Ltd.

(72) [Inventor(s)]

[Name] Brook Tokuji

[Address] 2-5-5, Keihan Hon-dori, Moriguchi-shi, Osaka Inside of SANYO Electric Co., Ltd.

(74) [Attorney]

[Identification Number] 100062225

[Patent Attorney]

[Name] Akimoto Teruo

[Theme code (reference)]

2C088

3E040

[F term (reference)]

2C088 BA88 BC79

3E040 AA01 BA20 CA07 DA05 FG01 FL04

---

[Translation done.]

\* NOTICES \*

**Japan Patent Office is not responsible for any damages caused by the use of this translation.**

1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.\*\*\*\* shows the word which can not be translated.

3.In the drawings, any words are not translated.

---

Summary

---

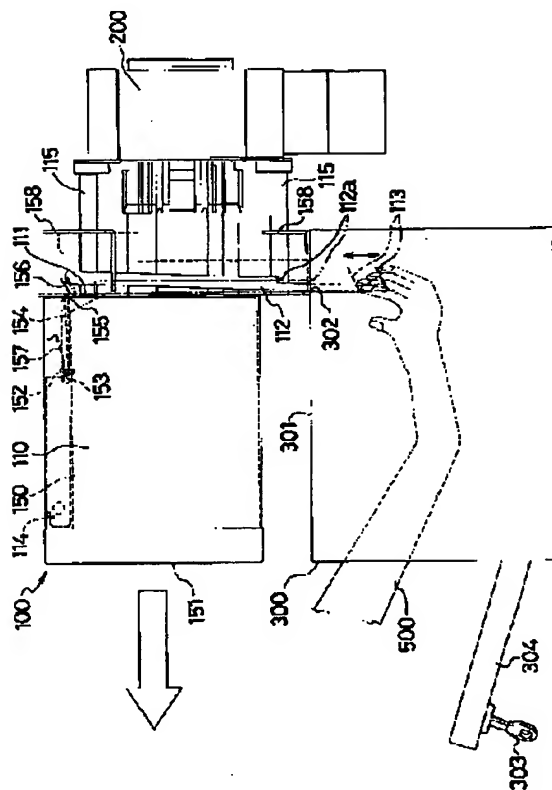
(57) [Abstract]

[Technical problem] It is made for the subject member of the bill acceptance transport device between bases which receives a bill and is conveyed to a tooth-back side not to drop a subject member from a fixed frame member accidentally in the thing it enabled it to draw out simply if needed.

[Means for Solution] a fixed frame — the fall prevention means 114 established inside the member 110, and a subject — the fall prevention means 157 of a member 150 — a subject — a member 150 — a fixed frame — when it was engaged just before being drawn out from a member 110, and the nose-of-cam side of the fall prevention means 157 was pushed on the lower part with the finger from the upper part, it prepared so that the point of the fall prevention means 157 might incline to the drawing down side and engagement of the fall prevention means 114-157

---

[Translation done.]




---

[Translation done.]

\* NOTICES \*

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. \*\*\*\* shows the word which can not be translated.
3. In the drawings, any words are not translated.

---

## CLAIMS

---

[Claim(s)]

[Claim 1] The bill acceptance transport device between bases which is characterized by preparing a fall prevention means to have the following, and for it to be engaged mutually [ before a subject member is drawn out completely ], and to prevent fall of the main soma material in a fixed frame member and a subject member and which is installed in the upper part of a game medium loan machine, and is installed by the game machine. Fixed frame part material installed in the upper part of a game medium loan machine The main soma material which delivers the bill which it is installed in this fixed frame member possible [ insertion and detachment ], and is received from a front face to the main transport device installed in a tooth back

[Claim 2] The bill acceptance transport device between bases according to claim 1 characterized by forming one [ at least ] fall prevention means possible [ release ] by acupressure in engagement of fall prevention meanses using a spring member.

---

[Translation done.]

\* NOTICES \*

**Japan Patent Office is not responsible for any damages caused by the use of this translation.**

- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.\*\*\*\* shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

---

## DETAILED DESCRIPTION

---

[Detailed Description of the Invention]

[0001]

[The technical field to which invention belongs] this invention is installed in the upper part of the game medium loan machine installed by game machines, such as a pachinko machine and a slot machine, in an amusement center hole, has input port of the bill paid in case a game visitor borrows game media used for a game, such as a pachinko ball and metal, in the front section, and relates to the bill acceptance transport device between bases which conveys the bill into which it was put by the input port to the main transport device installed in a tooth back.

[0002]

[Description of the Prior Art] The bill acceptance transport device 100 between bases is installed among the game machines 400, such as a pachinko machine installed lining up side-by-side as shown in drawing 3, and a slot machine.

[0003] The bill acceptance transport device 100 between bases shown in drawing 3. The fixed frame part material 110 attached in the upper part of the game medium loan machine 300 as shown in drawing 4. It consists of main soma material 150 prepared in this fixed frame part material 110 possible [insertion and detachment]. While the main soma material 150 has bill input port 151 for putting in the bill paid in case a game visitor borrows game media used for a game, such as a pachinko ball and metal, in the front section. The interior is equipped with a bill check means to check the truth or falsehood of the bill 900 thrown into bill input port 151, a conveyance means to convey to a tooth-back side, etc. (neither is illustrated), and it is constituted.

[0004] what was worn out in the bill 900 thrown into bill input port 151 -- it is -- a subject -- since bill plugging may occur in the bill conveyance means of a member 150, the main transport device 200 installed in the tooth-back section, the choked bill removes simply -- as -- a subject -- a member 150 -- a fixed frame -- it has structure which can be drawn out from a member 110

[0005] moreover, the bill acceptance transport device 100 between bases -- a subject -- a member 150 -- a fixed frame, since the main transport device 200 currently installed in the tooth-back section will become open and it will become possible to sample the bill which is having that conveyed, if drawn out from a member 110. The drawing-out prevention mechanism as shown in drawing 4 is established so that the bill currently conveyed towards the safe 201 prepared in the edge of the game island 450 by the main transport device 200 may not be stolen by the bad game visitor or junior salesclerk of behavior.

[0006] Namely, it sets to the bill acceptance transport device 100 between bases of composition of having been shown in drawing 4. It is energized and attached in the drawing-out prevention means 111 which consists of perpendicular Itabe material of the fixed frame part material 110, and the upper part of the main soma material 150 downward [drawing] with a screw 152 and coiled spring 153. The engagement portion 155 crooked downward [of a drawing-out prevention means 154 by which a point consists of flat spring projected to the tooth-back side] a subject -- a member 150 -- a fixed frame, while carrying out by the ability not engaging and sampling, when pushed into the back installation section from the front section of a member 110. If unlock the upper end rail 451 with which the bill acceptance transport device 100 between bases is installed, open like drawing 4, an arm 500 is inserted, a finger 501 is hung on the control unit 156 which inclined in the upper part from the soffit section of the engagement portion 155 and the force of drawing facing up is applied. Coiled spring 153 deforms, a control unit 156 side is raised, engagement into the engagement portions 155 of the drawing-out prevention means

111 of the fixed frame part material 110 and the drawing-out prevention means 154 by the side of the main soma material 150 is canceled, and the drawing ahead of the main soma material 150 is possible.

[0007]

[Problem(s) to be Solved by the Invention] However, it sets to the bill acceptance transport device between bases of composition of having been shown in above-mentioned drawing 4. Since the subject member was drawn out as it was when engagement of drawing-out prevention meanses was canceled, Since the subject member which was equipped with a means to convey towards the main transport device by the side of a tooth back, and became heavy was dropped on the leg, it might be injured or equipment might be broken [ \*\*\*\* / checking the truth or falsehood of an injection bill ], it was the technical problem which needs to carry out to the composition on which a subject member is not dropped, and this should solve.

[0008]

[Means for Solving the Problem] In the bill acceptance transport device between bases which is installed in the upper part of a game medium loan machine, and is installed by the game machine in order that this invention may solve the technical problem of the above-mentioned conventional technology It is installed in the fixed frame member installed in the upper part of a game medium loan machine, and this fixed frame member possible [ insertion and detachment ]. It consists of a subject member which delivers the bill received from a front face to the main transport device installed in a tooth back. The bill acceptance transport device between bases of the 1st composition of having prepared a fall prevention means for it to have been engaged mutually [ before a subject member is drawn out completely ], and to prevent fall of the main soma material in the fixed frame member and the subject member, and [0009] In the bill acceptance transport device 1 between bases of the composition of the above 1st, it is the thing which formed one [ at least ] fall prevention means for engagement of fall prevention meanses possible [ release ] by acupressure using the spring member and which offers the bill acceptance transport device between bases of the 2nd composition.

[0010]

[Embodiments of the Invention] Hereafter, 1 operation gestalt of this invention is explained based on a drawing. The bill acceptance transport device 100 between bases of this invention shown in drawing 1 and drawing 2 is equipped with the engagement release means 112 and the fall prevention means 114-157 with which the bill acceptance transport device 100 between bases shown in aforementioned drawing 4 was not equipped.

[0011] Incurvation formation of the cylindrical engagement release means 112 is carried out from a board member at the shape of a cross-section KO character in which for example, drawing right-hand side carried out opening. The upper-limit section is located in the fixed frame part material 110 at the control unit 156 bottom of the drawing-out prevention means 154 of the main soma material 150 by which

insertion installation was carried out. If the soffit section escapes from the hole 302 established to the top plate 301 of the game medium loan machine 300, and is located inside the game medium loan machine 300 which can be locked, the control unit 113 of the soffit section which carried out incurvation formation is grasped and it pushes up up. If the upper-limit section pushes up further and makes coiled spring 153 transform in the control unit 156 bottom of the drawing-out prevention means 154, it is prepared so that engagement for the drawing-out prevention means 111 of the fixed frame part material 110 and the drawing-out prevention means 154 (control unit 156) of the main soma material 150 may be canceled.

[0012] Namely, locking/unlocking of a front door 304 are prepared possible with the key 303 which the upper salesclerk whom the game medium loan machine 300 replaces with a chief of the shop or it possesses. The control unit 113 of the soffit section of the engagement release means 112 is located in the interior of the game medium loan machine 300 with which a front face is opened wide. The portion is grasped and the engagement release means 112 is pushed up up, and it is constituted so that engagement for the drawing-out prevention means 111 of the fixed frame part material 110 and the drawing-out prevention means 154 (control unit 156) of the main soma material 150 can be canceled.

[0013] Moreover, the bottom is thicker than the hole 302 of a top plate 301, and the engagement release means 112 is formed so that it may not be buried in the interior of the game medium loan machine 300. That is, the engagement release means 112 has a \*\*\*\* [ a / step 112] thicker than a hole 302, under surface than step 112a is thinner than a hole 302, and step 112a engages with the surrounding top plate 301 of a hole 302, and falls.

[0014] Therefore, the main soma material 150 is pushed in to the position of the fixed frame part material 110. a subject -- the drawing-out prevention means 154 of a member 150, and a fixed frame -- the drawing-out prevention means 111 of a member 110 being made engaged, and by locking the front door 304 of the game medium loan machine 300. Since operation of the engagement release means 112 becomes impossible and it becomes impossible to draw out the main soma material 150, the bill currently conveyed by the main transport device 200 at the safe 201 is not stolen by the bad game visitor or junior salesclerk of behavior.

[0015] On the other hand, if it unlocks and the front door 304 of the game medium loan machine 300 is opened, will put in an arm 500 into it and the engagement release means 112 will be pushed up. a subject -- the drawing-out prevention means 154 of a member 150, and a fixed frame -- canceling engagement for the drawing-out prevention means 111 of a member 110 -- possible -- the state -- a subject -- a member 150 -- a fixed frame, since it can draw out from a member 110. Even if it gets blocked the bill currently conveyed in the safe 201 with the main transport device 200, the choked bill can be removed easily.

[0016] The fall prevention means 157 is formed in the shape of a hook, is with the screw 152 and coiled spring 153 which energize the drawing-out prevention means



154 downward [ drawing ], and are fixed to the main soma material 150, and is energized and attached in the same main soma material 150 at drawing facing up. this fall prevention means 157 — a subject — a member 150 — a fixed frame — just before being drawn out from a member 110 — a fixed frame — if it engages with the fall prevention means 114 projected and established inside the anterior of a member 110, the drawing to the front is prevented as it is and a nose-of-cam side is caudad pushed with a finger from the upper part, coiled spring 153 will deform, a point will incline in drawing down, and engagement for the fall prevention means 114 will be canceled

[0017] Therefore, since the truth or falsehood of the thrown-in bill 900 are checked or it has a means to convey towards the main transport device 200 by the side of a tooth back, it has not been said that the main soma material 150 which is heavy is drawn out carelessly, and is dropped from the fixed frame part material 110.

[0018] moreover, this bill acceptance transport device 100 between bases — setting — the supporter material 158 — a fixed frame — connection of the two upper and lower sides by which the member 110 side was supported — a member 115 — minding — a fixed frame — a member 110 connects with the main transport device 200 — having — a subject — it is constituted so that the whole may not incline forward, even if a member 150 becomes heavy

[0019] In addition, since this invention is not limited to the above-mentioned operation gestalt, various kinds of deformation implementation in the range which does not deviate from the meaning of a publication to a claim is possible for it.

[0020] For example, drawing-out prevention means 154 and the fall prevention means 157 can also be formed using flat spring. And when forming drawing-out prevention means 154 and the fall prevention means 157 by the flat spring member, one board member to the drawing-out prevention means 152 is greatly formed for the drawing-out prevention means 152 and the fall prevention means 157, for example, and a slit is put in there, a part for a center section is pulled up upwards, and you may make it form the fall prevention means 157 in this portion pulled up.

[0021] Moreover, it is also possible for the fall prevention means 114 of the fixed frame part material 110 and the fall prevention means 157 of the main soma material 150 to prepare possible [ engagement into a side plate portion, a bottom plate portion, etc. of each member ].

[0022]

[Effect of the Invention] Since drawing becomes impossible according to this invention just before the subject member of the bill acceptance transport device between bases is drawn out from a fixed frame member as explained above, even if a subject member is heavy, having said that it drops on a leg, and it was injured or equipment was broken is lost.

**\* NOTICES \***

**Japan Patent Office is not responsible for any damages caused by the use of this translation.**

1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.\*\*\*\* shows the word which can not be translated.

3.In the drawings, any words are not translated.

---

**DESCRIPTION OF DRAWINGS**

---

[Brief Description of the Drawings]

[Drawing 1] It is explanatory drawing showing 1 operation gestalt of this invention, and is drawing showing the state where receipt installation of the subject member is carried out in the predetermined position.

[Drawing 2] It is explanatory drawing showing 1 operation gestalt of this invention, and is drawing showing the state where the subject member is pulled out to the front.

[Drawing 3] It is explanatory drawing showing the use gestalt of 1 operation gestalt.

[Drawing 4] It is explanatory drawing showing the conventional technology.

[Description of Notations]

100 Bill Acceptance Transport Device between Bases

110 Fixed Frame Part Material

111 Drawing-Out Prevention Means

112 Engagement Release Means

113 Control Unit

114 Fall Prevention Means

115 Connection — Member

150 The Main Soma Material

151 Bill Input Port

152 Screw

153 Coiled Spring

154 Drawing-Out Prevention Means

155 Engagement Portion

156 Control Unit

157 Fall Prevention Means

158 Supporter Material

200 The Main Transport Device

201 Safe

300 Game Medium Loan Machine

301 Top Plate

302 Hole  
303 Key  
304 Front Door  
400 Game Machine  
450 Game Island  
451 End Rail  
500 Arm  
501 Finger  
900 Bill

---

[Translation done.]

**\* NOTICES \***

**Japan Patent Office is not responsible for any damages caused by the use of this translation.**

1.This document has been translated by computer. So the translation may not reflect the original precisely.

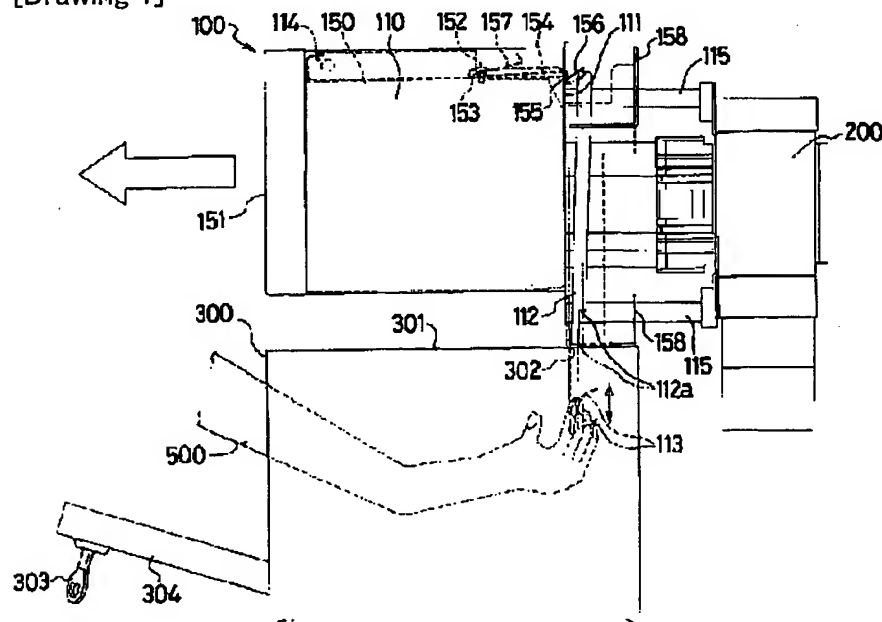
2.\*\*\*\* shows the word which can not be translated.

3.In the drawings, any words are not translated.

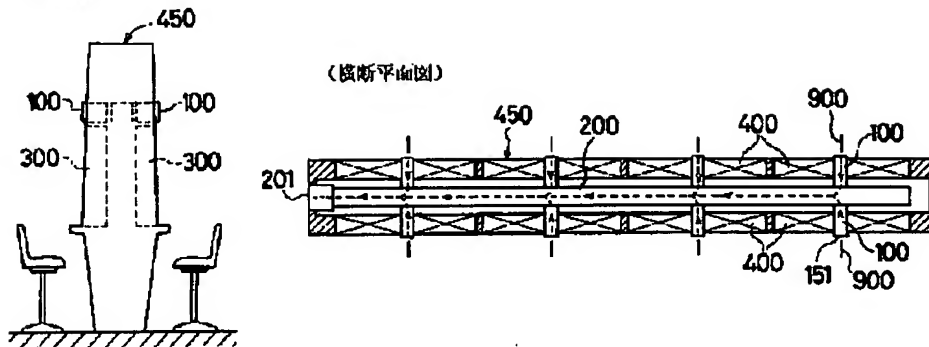
---

**DRAWINGS**

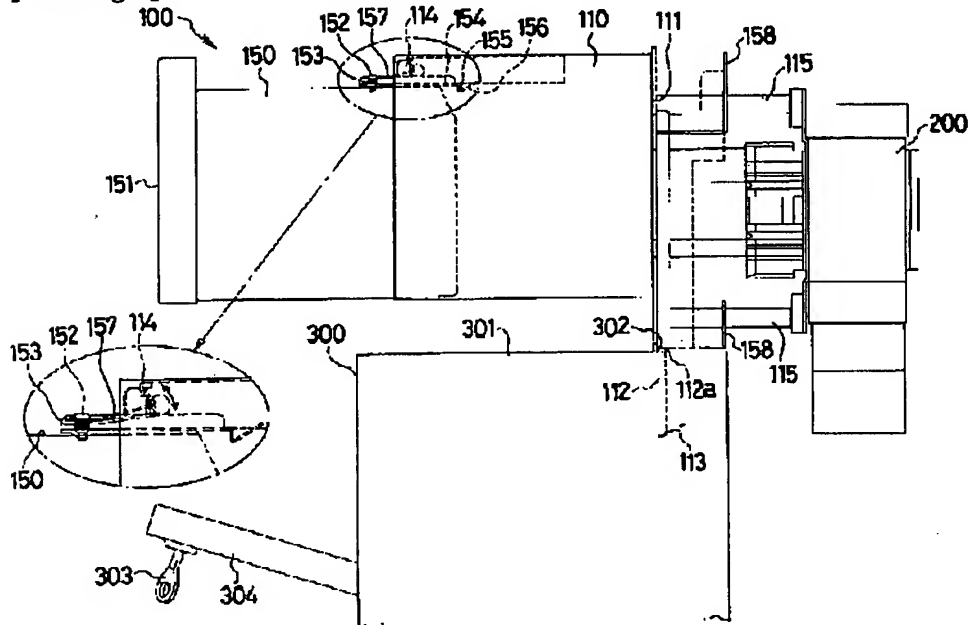
[Drawing 1]



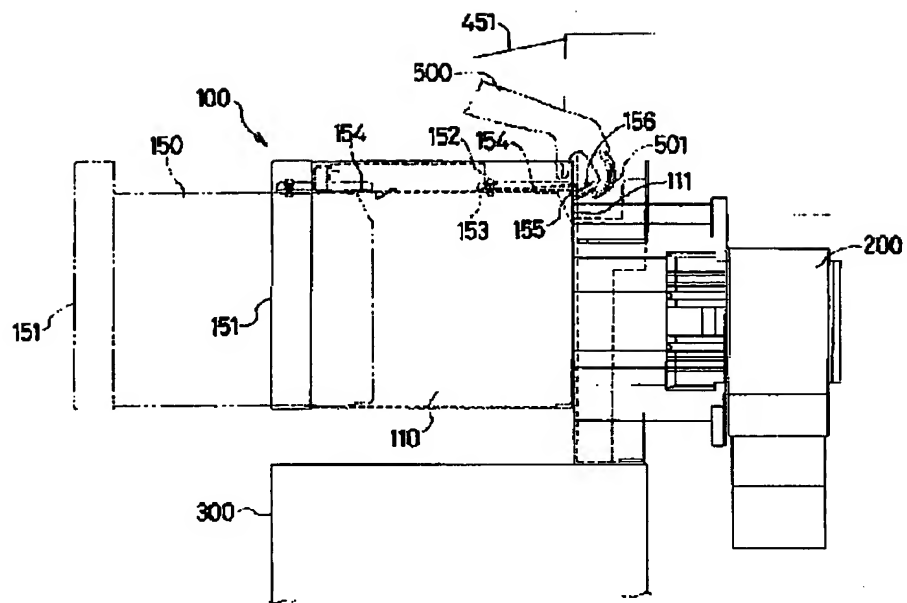
[Drawing 3]  
(侧面图)



[Drawing 2]



[Drawing 4]



---

[Translation done.]